|   | e | Index of Claims |
|---|---|-----------------|
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Application No. Applicant(s)

10/840,198 KLEIN, DEAN A.

Examiner Art Unit

son t dinh 2824

| 1 | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| CI           | aim       |                 |   |              | Dat     |          |                 |          |          | Cla   | aim      |          |                 |          | D               | ate      |         |         |         |       | С     | aim      |  |              |              |          | ate      |              |           |          | _  |
|--------------|-----------|-----------------|---|--------------|---------|----------|-----------------|----------|----------|-------|----------|----------|-----------------|----------|-----------------|----------|---------|---------|---------|-------|-------|----------|--|--------------|--------------|----------|----------|--------------|-----------|----------|----|
|              |           |                 | $\neg$  | Т            | Τ       |          | П               | П        | 7        |       |          |          | П               |          | Ţ               | T        | T       | Т       | Г       |       |       | <u> </u> |  |              |              |          |          |              | T         | П        | Γ  |
| Final        | Original  | 3/5/05          |   |              |         |          |                 |          |          | Final | Original |          |                 |          |                 |          |         | 1       | 1       |       | Final | Original |  |              | ļ            |          |          | - 1          |           | - 1      | ĺ  |
| Ē            | Ę         | 32              |   | 1            | 1       |          |                 |          | l        | 匝     | 문        |          |                 |          |                 |          | 1       |         |         |       | 证     | 꽃        |  |              |              |          |          | - [          | ı         | İ        | ĺ  |
|              | 1         | LI              |   |              |         | П        |                 |          |          |       | ٦        |          |                 | - 1      |                 |          | 1       |         |         |       |       | ١٠       | 1  |              | İ            |          |          |              |           | - [      |    |
|              | 1.        | <b>₹</b>        | -   | †            | +-      | $\vdash$ |                 | $\dashv$ | 7        |       | 51       | Г        | П               |          | 寸               | _        | ╅       |         | 1       |       |       | 101      |  | Г            |              | П        |          | 7            | $\neg$    |          |    |
| $\leftarrow$ | 2         | V               |   | ╈            | 1       | 1        | Н               | 一        | 1        |       | 52       | Г        |                 | $\neg$   | 7               | 十        | ┪       | 1.      | $\top$  |       |       | 102      | Г  |              |              | П        |          | $\neg$       | $\neg$    | ╗        | Γ  |
|              | . 3       | V               | -+-   | ╁            | +       | 1        | Н               | 一        | -        |       | 53       | П        | Н               | $\neg$   | ┪               | 十        | ╅       | $\top$  | 1       |       |       | 103      | Т  | Г            |              |          |          | $\neg$       | $\neg$    | 7        | Γ  |
|              | 1         | V               |   | ┿            | +-      | +        | Н               |          | 1        |       | 54       | -        | Н               | -        | _               | $\dashv$ | $\top$  | +       | T       |       |       | 104      | T  | $\vdash$     | Г            |          |          | _            | _         | 7        | Г  |
| _            | 3         | V               | +   | +            | ╁       | +        | Н               | -        | $\dashv$ |       | 55       | -        | Н               | $\dashv$ | 寸               | -        | +       | ✝       | +       |       |       | 105      | $\vdash$   | Т            | Н            | Н        |          | ┪            | 十         | -1       | Γ  |
| _            | 6         | V               | $\dashv$  | ╫            | ╁       | 1        | Н               | $\dashv$ | -        |       | 56       | $\vdash$ | Н               | 一        | $\dashv$        | $\dashv$ | +       | ╈       | +-      |       |       | 106      |  | 1            | $\vdash$     |          |          | $\dashv$     | 十         | ┪        | Г  |
|              | 27        | V               | +   | ╁            | ┿       | +        | Н               | $\dashv$ | -        | _     | 57       | ⊢        | Н               | $\dashv$ | +               | +        | ╅       | ╁       | ┿       |       |       | 107      | Н  | -            | -            | Н        | -        | ┪            | 十         | ┪        | Г  |
|              |           | _               | -   | ╫            | ╫       | +        | Н               |          | -1       |       | 58       | $\vdash$ | $\vdash$        | -        | $\dashv$        | -        | ╫       | +       | +       |       |       | 108      | -  | Ι.           | -            | Н        | $\dashv$ | ᅥ            | $\dashv$  | -1       | Г  |
|              | 8         | ٧               |   | ┿            | +-      | 1        | Н               | -+       |          |       | 59       | $\vdash$ | Н               | -        | $\dashv$        | $\dashv$ | ╁       | +       | +       |       |       | 109      | <del>                                     </del> | H            | ┢            | Н        | Н        | ᅥ            | -+        | ᅥ        | г  |
|              |           | 5               | +   | +-           | ╁       | $\vdash$ | Н               | $\dashv$ | -4       |       | 60       | Н        | Н               | $\dashv$ | +               |          | ╬       | +-      | ┰       |       |       | 110      | ⊢  | -            | ⊢            | Н        | Н        | $\dashv$     | $\dashv$  | ┪        | -  |
|              | T.        |                 | -   | ┿            | +-      | ₩        | Н               | -+       | -        |       |          | -        | Н               | $\dashv$ | +               | +        | ┿       | ┿       | +       |       |       | 111      | ├  | ┢            | <del> </del> | Н        | H        | -            | $\dashv$  | -        | -  |
|              | 1         | Н               | -   | ╀            | ╀       | $\vdash$ | Н               | $\dashv$ | -        |       | -61      | H        | Н               | -        | +               | +        | ╫       | +       | ╀       |       |       | 112      | ⊢  | Н            | $\vdash$     | Н        | Н        |              | +         |          | H  |
|              | 12        | $\vdash$        | +   | +            | +       | $\vdash$ | Н               | $\dashv$ | -4       | <br>  | 62       | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$        | ┵        | +       | ╁       | +-      |       |       | 113      | $\vdash$   | $\vdash$     | -            | Н        | Н        |              | $\dashv$  | $\dashv$ | -  |
|              | 13        | Щ               | -   | +            | ╀-      | ╀┩       | -               | -+       | 4        |       | 63       | -        | Н               | $\dashv$ | -+              | +        | ╀       | ╁       | ╁       |       |       |          | $\vdash$   | -            | $\vdash$     | Н        | $\vdash$ | -            | -+        | ┥        | -  |
|              | 14        | Ш               | -   | +            | +       | ↓_       | Щ               | 4        | -4       |       | 64       | <b> </b> | $\vdash$        | -        | $\dashv$        |          | ┰       | +       | ┼       |       | _     | 114      | $\vdash$   | -            | -            | Н        | $\vdash$ | -            | $\dashv$  | ┥        | -  |
|              | 15        | Щ               | +   | 4-           | +       | -        |                 | 4        | -4       |       | 65       | ┡        | Н               | -        | -+              |          | +       | +       | +       |       | -     | 115      | -  | <del> </del> | <u> </u>     | Н        | Н        | -            | +         | -        | -  |
|              | 16        | $\Box$          | _   | 4-           | ╀       | +-       | $\sqcup$        | $\dashv$ | 4        |       | 66       | Н        | Н               | _        | 4               |          | +       | +       | +-      |       |       | 116      | $\vdash$   | -            | ┝            | Н        | $\vdash$ | -            | $\dashv$  | -        | -  |
|              | 7         | Ш               |   | 4            | 1       | $\vdash$ | Ш               | $\dashv$ | 4        |       | 67       | -        | Н               | _        | +               | 4        | +-      | +       | +       |       |       | 117      | ├-   | $\vdash$     | <u> </u>     | Н        | Н        | -            | +         | 4        | -  |
|              | 18        | Ш               |   | ┸            | ┸       | $\perp$  |                 | $\dashv$ | 4        |       | 68       | L        | $\sqcup$        | _        | 4               | -        | 4       | ╄       | ↓_      |       |       | 118      | <u> </u>   | -            | -            | <b>!</b> | _        | -            |           | ᆛ        | ۲  |
|              | 19        | Ш               |   | $\perp$      |         |          |                 | Щ        | _        |       | 69       | L        | Ш               | _        | _               |          | 4       | ┸       | ┸       |       |       | 119      | _  | <u> </u>     | _            | Ш        | Щ        | -            | -         | _        | H  |
|              |           | λ               |   | $\perp$      |         |          |                 |          | _        |       | 70       | L        | Ц               |          | _               |          | 4       | _       | ┺       |       |       | 120      | L  | L            |              | Ш        | Щ        | _            | 4         | _        | ١. |
| <            |           |                 |   | L            | L       |          |                 |          | _        |       | 71       |          | Ш               |          | $\perp$         |          |         | ┸       | ┸       |       |       | 121      | _  |              | L.           |          | _        | _            | 4         | _        | L  |
|              | 22        | П               | Т   | Τ            |         |          |                 |          | _]       |       | 72       |          |                 |          |                 |          | L       | 1_      | 上       |       |       | 122      | L  | ┖            | ᆫ            | Ц        | Щ        | _            | _         | _        | L  |
|              | <b>43</b> |                 | $\overline{}$                                     | Т            | Г       |          |                 |          |          |       | 73       |          | Ш               |          | ┙               | 丄        |         |         |         |       |       | 123      | L  |              | L            | Ц        |          | _            | _         | _        | L  |
|              |           | •               |   | Τ            | Т       |          |                 |          |          |       | 74       |          |                 |          |                 |          |         | $\perp$ | L       |       |       | 124      | L  | Ш            |              |          |          | _            |           | _        | _  |
|              | 15        | П               |   | Т            |         | П        | П               |          |          |       | 75       |          |                 |          | $\Box$          |          |         |         |         |       |       | 125      |  |              |              |          |          |              |           |          |    |
|              | 26        |                 | $\neg$  | Τ            |         | П        | П               |          |          |       | 76       |          |                 |          | T               |          |         | 1       |         |       |       | 126      |  | L_           |              |          |          |              |           |          |    |
|              | 1         | П               | $\top$  | 十            | 1       | П        |                 | $\neg$   | 7        |       | 77       |          |                 |          | $\neg$          |          | Т       |         | 1       |       |       | 127      |  |              |              |          |          |              |           |          | Ĺ  |
|              | .28       | H               |   | 十            | 1       | $\vdash$ | Н               |          |          |       | 78       | Г        | М               | $\neg$   | 寸               | T        | T       | Т       | Т       |       |       | 128      | П  |              |              |          |          |              | T         | П        | Γ  |
| _            | 120       |                 |   | 十            | +-      | Н        | Н               | $\dashv$ | _        | <br>  | 79       |          | П               | $\neg$   | 寸               | $\dashv$ | ┪       | T       | $\top$  |       |       | 129      | Г  |              |              |          |          |              | Т         | ╗        | Ī  |
|              | 30        |                 | =- -  | +            | +-      | $\vdash$ | Н               | 1        |          |       | 80       | -        | Н               | Ť        | ╛               | $\neg$   | 1       | ┪┈      | Т       |       |       | 130      | Г  |              |              |          |          | $\neg$       | $\Box$    |          | Γ  |
|              | 31        | Н               | $\dashv$  | †            | ╈       | Н        | H               | 1        |          |       | 81       | _        | П               | T        | ヿ               | $\neg$   | 1       | 1       | Τ       |       |       | 131      | Г  | Π            |              |          |          | $\neg$       | 丁         | П        | Γ  |
| _            | 32        | Н               | +   | +            | +       | $\vdash$ | Н               | -        | -        |       | 82       | Н        | Н               | 1        | 7               |          | T       | 1       | 1       |       | -     | 132      |  |              |              | П        |          | ヿ            | 一         | $\neg$   | Г  |
|              | 33        | $\vdash$        | +   | ╁            | +       | Н        | Н               | +        | -        |       | 83       |          | H               | 7        | ┪               | $\neg$   | $\top$  | 十       | T       |       |       | 133      | Г  | $\Box$       |              | П        |          | 一            | T         | $\neg$   | Г  |
| -            | 34        | Н               | +   | 十            | 十       | ↤        | Н               | +        | -        |       | 84       | Н        | Н               | -        | $\dashv$        | $\dashv$ | 十       | +       | 1       |       |       | 134      | Т  | Т            |              | П        |          | $\dashv$     | $\dashv$  | _        | Γ  |
|              | 35        | $\vdash$        | +   | ┿            | +       | $\vdash$ | Н               | -+       | -        |       | 85       | H        | $\vdash$        | $\dashv$ | -+              | $\dashv$ | +       | +       | +       |       |       | 135      |  | Г            |              | Н        | П        |              | $\dashv$  | ╛        | Γ  |
|              |           | $\vdash \vdash$ | +   | +            | +       | ╁╌┤      | ⊢⊢              | +        | -1       |       | 86       |          | ┥               |          | +               | $\dashv$ | 十       | +       | $t^{-}$ |       |       | 136      | $\vdash$   | Т            | $\vdash$     | Н        | $\vdash$ | $\dashv$     | $\dashv$  | ᅥ        | Γ  |
|              | 36        | $\vdash \vdash$ |   | +-           | ╁       | $\vdash$ | Н               | -+       | -        |       | 87       |          | $\vdash$        | $\dashv$ | -               | $\dashv$ | +-      | +-      | ╁╌      |       |       | 137      | $\vdash$   | t            | $\vdash$     | Н        | $\vdash$ | -            | $\dashv$  | ┪        | Г  |
|              | 37        | $\vdash \dashv$ |   | ╁            | ╁       | $\vdash$ | Н               | $\dashv$ | -4       |       | 88       | -        | $\vdash$        | -        | +               | +        | ╈       | +       | +       |       |       | 138      | -  | -            | $\vdash$     | Н        | Н        | ᅥ            | $\dashv$  | ┪        | Г  |
|              | 38        | $\vdash \dashv$ | +   | +            | ╀       | +        | Н               |          | -        |       |          | H        | Н               | $\dashv$ | +               | +        | ╁       | +       | +-      |       |       | 139      | -  | $\vdash$     | <del> </del> | Н        | Н        |              | -+        | ┥        | Г  |
|              | 39        | $\vdash$        |   | +            | +-      | $\vdash$ | $\vdash \dashv$ | $\dashv$ |          |       | 89       | $\vdash$ | $\vdash \vdash$ | $\dashv$ | -+              |          | ╫       | ╁       | +       |       | _     | 140      | -  | Н            | _            | $\vdash$ | Н        |              | +         | ┥        | Г  |
|              | 40        | _               |   | ╄            | +-      | $\vdash$ | $\vdash$        | $\dashv$ | -        | -     | 90       | $\vdash$ | $\vdash$        | $\dashv$ | -+              | +        | +       | +-      | ╁       |       | _     | 141      | -  | $\vdash$     | -            | Н        | Н        | -            | $\dashv$  | ┥        | _  |
|              | 41        | Ш               | 4   | +            | +       | $\vdash$ | Ш               | $\dashv$ | 4        |       | 91       | $\vdash$ | $\vdash \vdash$ | $\dashv$ | +               | -+       | +-      | +       | +-      |       | —     | 142      | -  | ⊢            | -            | Н        | Н        |              | +         | -+       | _  |
|              | 42        | Ш               | $\bot$  | +            | ╀       | $\vdash$ |                 | $\dashv$ | _        |       | 92       | -        | ⊢┤              |          | +               | -        | +       | +       | +-      |       |       | 143      | $\vdash$   | -            | -            | $\vdash$ | Н        | <del>-</del> | $\dashv$  | ┥        | _  |
|              | 43        | Щ               | -1  | 4            | 4       | Н        | $\sqcup$        | 4        | 4        |       | 93       | $\vdash$ | ⊢┤              |          | <del>-</del>  - |          | +-      | +       | +       |       |       |          | ⊢  | -            | -            | $\vdash$ | Н        | -{           | +         | ᅱ        | -  |
|              | 44        | Ш               | _ _   | ╀            | 1       | $\sqcup$ | Ш               | _        | _        |       | 94       | <u> </u> | $\sqcup$        | _        |                 | _        | +       | +       | ╂-      |       |       | 144      | ⊢-   | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$ | {            | $\dashv$  | $\dashv$ | -  |
|              | 45        | Ш               | $\perp$   | 1            | 丄       | Ш        | Ш               | $\dashv$ | _        |       | 95       | _        | Ш               | _        | _               |          | +       | +       | ╂—      |       |       | 145      | $\vdash$   |              |              | $\vdash$ | Н        | -            | +         | 4        | -  |
|              | 46        |                 |   | $\perp$      | $\perp$ | Ш        |                 | $\perp$  | _        |       | 96       | Ш        | ᆈ               | _        | 4               |          | $\bot$  | +       | 1       |       |       | 146      | $\vdash$   | ⊢            | <u> </u>     | Ш        | $\vdash$ | _            | -+        | 4        | H  |
|              | 47        |                 |   | $\Gamma$     | $\Box$  | $\Box$   |                 |          |          |       | 97       | Ш        | Ц               |          | 4               |          | $\perp$ | ╄       | 1       |       |       | 147      | _  | $\vdash$     | _            | Щ        | $\vdash$ | $\dashv$     | 4         | 4        | L  |
|              | 48        |                 | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oxed{oxed}$ |         |          |                 |          |          |       | 98       |          | Ш               |          | _               | _ _      | 4       | _       | Ŀ       |       |       | 148      | <u> </u>   | $\vdash$     | <b> </b>     | Ш        |          | Ц            | -         | _        | H  |
|              | 49        | П               | Т   | Τ            | Γ       | П        |                 |          |          |       | 99       |          |                 |          | $\bot$          |          | L       | $\perp$ |         |       |       | 149      | <u>_</u>   | <u>_</u>     | <u> </u>     | Щ        | Ш        | $\Box$       | $\dashv$  | _        | Ĺ  |
| _            | 50        |                 |   | $\top$       | T       | П        |                 |          | _        |       | 100      | l        | П               |          | T               |          | 1       | 1       | 1       | liiii |       | 150      | 1  | 1            | ı            | 1        |          | 1            | $\perp$ L | - 1      | 1  |